

What is claimed is:

1. A method comprising:

decoding transaction data representing a transaction, from a transaction database, using a parameter based mapper directed to a selected application system selected from a plurality of application systems; and transferring the decoded transaction data to the selected application system.

2. A method as recited in claim 1, wherein the transaction originates from an electronic procurement system.

3. A method as recited in claim 1, wherein the transaction originates from a hosted electronic procurement system.

4. A method as recited in claim 1, wherein the transaction originates from a shared executable hosted electronic procurement system.

5. A method as recited in claim 1, wherein the transferring transfers the decoded transaction data using a selected application programming interface.

6. A method as recited in claim 1, wherein the mapper is a file generated automatically by a mapper generation program.

7. A method as recited in claim 1, wherein each of the plurality of application systems has a respective mapper.

8. A method as recited in claim 1, wherein the transferring uses an application programming interface to implement the transaction with the selected application system.

9. A method comprising:

encoding a first variable set directed to a first system into transaction data using a parameter based mapper directed to a selected target system of a plurality of target systems;

decoding the transaction data into a second variable set directed to the selected target system, using the mapper; and

transmitting the second variable set to the selected target system.

10. A method recited in claim 9, further comprising storing the transaction data on a transaction database after the encoding, and reading the transaction data from the database before the decoding.

11. A method as recited in claim 9, wherein the transmitting further comprises identifying an application programming interface for the selected target financial system.
12. A method as recited in claim 9, wherein the transmitting further comprises transmitting the second variable set to the identified target system using the identified application programming interface.
13. A method as recited in claim 9, wherein each of the plurality of target systems has a respective mapper.
14. A method as recited in claim 9, wherein the mapper stores a relation between the first variable set and the second variable set.
15. A method as recited in claim 9, wherein the first system is an electronic procurement system.
16. A method as recited in claim 9, wherein the first system is a hosted electronic procurement system.
17. A method as recited in claim 9, wherein the first system is a shared executable hosted electronic procurement system.

18. A method as recited in claim 9, wherein each of the plurality of target systems has a respective application programming interface.

19. A method as recited in claim 9, wherein the mapper is a file generated automatically by a mapper generation program.

20. A method as recited in claim 9, wherein the first variable set and the second variable set both comprise variables and the variables' respective values.

21. A method comprising:  
mapping source variables from a source system to intermediate variables in an intermediate system using a table driven mapper file; and  
transferring the intermediate variables from the intermediate system to a selected target system of a plurality of target systems using a program adapted for the selected target system.

22. A method comprising:  
receiving transaction data representing a transaction from a shared executable hosted electronic procurement system; and

implementing the transaction with a selected application system of a plurality of application systems, using the selected application system's data protocol.

23. A method as recited in claim 22, wherein the implementing is performed using a selected application programming interface.

24. A method as recited in claim 22, wherein the application system is a financial system used to manage financial resources.

25. A method as recited in claim 22, wherein the receiving further comprises decoding the transaction data using a parameter based mapper file.

26. A method comprising:  
receiving transaction data representing a transaction from an electronic procurement system; and  
implementing the transaction with a selected application system of a plurality of application systems, by using a parameter based mapper file to generate a data file which is transmitted to the selected application system.

27. A computer readable storage medium, storing a computer program to instruct a computer to perform a method comprising:

decoding transaction data representing a transaction, from a transaction database, using a parameter based mapper directed to a selected application system selected from a plurality of application systems; and

transferring the decoded transaction data to the selected application system.

28. A computer readable storage medium as recited in claim 27, wherein the transaction originates from an electronic procurement system.

29. A computer readable storage medium as recited in claim 27, wherein the transaction originates from a hosted electronic procurement system.

30. A computer readable storage medium as recited in claim 27, wherein the transaction originates from a shared executable hosted electronic procurement system.

31. A computer readable storage medium as recited in claim 27, wherein the transferring transfers the decoded transaction data using a selected application programming interface.

32. A computer readable storage medium as recited in claim 27, wherein the mapper is a file generated automatically by a mapper generation program.

33. A computer readable storage medium as recited in claim 27, wherein each of the plurality of application systems has a respective mapper.

34. A computer readable storage medium as recited in claim 27, wherein the transferring uses an application programming interface to implement the transaction with the selected application system.

35. A computer readable storage medium, storing a computer program to instruct a computer to perform a method comprising:

encoding a first variable set directed to a first system into transaction data using a parameter based mapper directed to a selected target system of a plurality of target systems;

decoding the transaction data into a second variable set directed to the selected target system, using the mapper; and

transmitting the second variable set to the selected target system.

36. A computer readable storage medium as recited in claim 35, further comprising storing the transaction data on a transaction database after the

encoding, and reading the transaction data from the database before the decoding.

37. A computer readable storage medium as recited in claim 35, wherein the transmitting further comprises identifying an application programming interface for the selected target financial system.

38. A computer readable storage medium as recited in claim 35, wherein the transmitting further comprises transmitting the second variable set to the identified target system using the identified application programming interface.

39. A computer readable storage medium as recited in claim 35, wherein each of the plurality of target systems has a respective mapper.

40. A computer readable storage medium as recited in claim 35, wherein the mapper stores a relation between the first variable set and the second variable set.

41. A computer readable storage medium as recited in claim 35, wherein the first system is an electronic procurement system.

42. A computer readable storage medium as recited in claim 35, wherein the first system is a hosted electronic procurement system.

43. A computer readable storage medium as recited in claim 35, wherein the first system is a shared executable hosted electronic procurement system.

44. A computer readable storage medium as recited in claim 35, wherein each of the plurality of target systems has a respective application programming interface.

45. A computer readable storage medium as recited in claim 35, wherein the mapper is a file generated automatically by a mapper generation program.

46. A computer readable storage medium as recited in claim 35, wherein the first variable set and the second variable set both comprise variables and the variables' respective values.

47. A computer readable storage medium, storing a computer program to instruct a computer to perform a method comprising:  
mapping source variables from a source system to intermediate

variables in an intermediate system using a table driven mapper file; and transferring the intermediate variables from the intermediate system to a selected target system of a plurality of target systems using a program adapted for the selected target system.

48. A computer readable storage medium, storing a computer program to instruct a computer to perform a method comprising:

receiving transaction data representing a transaction from a hosted electronic procurement system; and  
implementing the transaction with a selected application system of a plurality of application systems, using the selected application system's data protocol.

49. A computer readable storage medium as recited in claim 48, wherein the electronic procurement system is a shared executable hosted system.

50. A computer readable storage medium as recited in claim 48, wherein the application system is a financial system used to manage financial resources.

51. A computer readable storage medium as recited in claim 48, wherein the receiving further comprises decoding the transaction data using a parameter based mapper file.

52. A computer readable storage medium, storing a computer program

to instruct a computer to perform a method comprising:

receiving transaction data representing a transaction from an electronic procurement system; and

implementing the transaction with a selected application system of a plurality of application systems, by using a parameter based mapper file to generate a data file which is transmitted to the selected application system.

53. An apparatus comprising:

a plurality of application systems each having a corresponding data protocol;

an electronic procurement system having an electronic procurement system data protocol; and

an integrator mapping the electronic procurement system data protocol to a selected application system's data protocol.

54. An apparatus comprising:

an integrator receiving transaction data representing a transaction;

and

an interface processor implementing the transaction with a selected application system of a plurality of application systems by identifying and communicating the transaction using a data protocol corresponding to the selected application system.

55. An apparatus as recited in claim 54, further comprising:

An electronic procurement system storing the transaction data received by the integrator.

56. An apparatus as recited in claim 55, wherein the electronic procurement system is a hosted system.

57. An apparatus as recited in claim 55, wherein the electronic procurement system is a shared executable hosted system.

58. An apparatus as recited in claim 54, wherein the plurality of application systems are financial systems.

59. An apparatus as recited in claim 54, wherein the integrator, after receiving the transaction data, decodes the transaction data using a mapper file.

60. An apparatus as recited in claim 59, wherein the mapper file is parameter based.

61. An apparatus as recited in claim 54, wherein the interface processor further comprises an API storage storing application programming interfaces for corresponding application systems.